

[MULTI-CHANNEL WIRELESS PROFESSIONAL AUDIO SYSTEM]

Abstract of Disclosure

A multi-channel wireless audio system has a signal broadcasting circuit that includes a multiplexer having a plurality of input nodes and one output node, each input node being used to receive audio signals of an audio channel, the output node being used for outputting audio signals of a selected audio channel, an analog to digital converter for converting the audio signals of the selected audio channel into digital audio signals, and a first transceiver for wirelessly transmitting the digital audio signals to external speakers. The multi-channel wireless audio system also includes several wireless speaker modules, each including a second transceiver for receiving the wireless digital audio signals from the signal broadcasting circuit, a digital to analog converter for converting the digital audio signals into analog audio signals, an amplifier for amplifying the analog audio signals, and a speaker for converting the amplified analog audio signals into sound.

Figures